

JOB DESCRIPTION
MURFREESBORO WATER AND SEWER DEPARTMENT
SENIOR BIOSOLIDS OPERATOR

1. JOB TITLE: SENIOR BIOSOLIDS OPERATOR

- 2. DEFINITION:** This position requires supervisory, technical and manual skills as well as heavy manual labor in the operation of tractors, over the road tractors and stationary solids handling equipment. The Senior Biosolids Operator reports to the Wastewater Treatment Plant Superintendent. All employees are responsible to the City Manager. The position is classified as Non-Exempt for the purpose of the Fair Labor Standards Act, as having an occupational exposure to bloodborne pathogens, and as Safety Sensitive; the employee is subject to pre-employment, reasonable suspicion, post accident, random, promotion and transfer, return to duty and follow-up drug and alcohol testing.

3. EQUIPMENT / JOB LOCATION:

- a. This position requires the use of tractors, over the road tractors, stationary solids handling equipment, and vehicles requiring a Class A commercial driver's license with an "N" endorsement.
- b. The job location is the Sinking Creek Wastewater Treatment Plant and other sites where biosolids are processed or landfilled. The employee will work indoors and outdoors and may be exposed to inclement weather and the proximity of biological, chemical, electrical and mechanical hazards. All City vehicles and facilities are smoke-free.

4. ESSENTIAL FUNCTIONS OF THE JOB:

- a. Operates, and supervises less skilled employees in the operation of presses, utilizing computer based and manual controls.
- b. Operates over the road tractors, transporting dewatered solids to the landfill.
- c. Operates conveyors, compressors, pumps mixers and other equipment used in processing and disposal of solids generated by wastewater treatment.
- d. Runs operational analyses in the solids laboratory to monitor the dewatering process.
- e. Operates polymer systems that condition and control coagulants to optimize the dewatering process.
- f. Operates various hand tools, including but not limited to wrenches, hammers, pliers, etc.
- g. Operates various equipment, including but not limited to vehicles, valves, gates, winches, air compressors, presses and various type pumps.
- h. Performs job duties while wearing appropriate safety equipment such as steel toed shoes, rain gear, hard hats, goggles, etc.
- i. Sits, stands, lifts, climbs, stoops and walks intermittently and repeatedly.
- j. Keeps accurate records, makes mathematical calculations with fractions, decimals, percentages and the metric system.
- k. Maintains a clean and orderly work environment.

5. ADDITIONAL EXAMPLES OF WORK TO BE PERFORMED:

- a. Performs other duties and special projects as assigned.

6. REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:

- a. Must be a minimum of 21 years of age.
- b. Must possess a diploma or GED from an accredited high school.
- c. Must have legal authorization to work in the United States.
- d. Must consent to and pass a pre-employment drug screening.
- e. Must have or be able to obtain a valid Class A Commercial driver's license with an "N" Endorsement (i.e. Air Brakes) within ninety (90) days of employment date. A minimum of two years experience in driving over the road tractor is preferred.
- f. Must be able to comprehend both oral and written instructions and to communicate in English, both orally and in writing.
- g. Ability to perform mathematical calculations with fractions, decimals, percentages and the metric system.
- h. Ability to report on time for work and perform the duties of the position for an entire shift for the entire workweek and to perform occasional overtime. May be required to work holiday, evening, night, weekend and/or standby shifts.
- i. Ability to operate various hand tools, including but not limited to wrenches, pliers, hammers, alignment and pry bars, jacks, etc.
- j. Ability to operate various equipment such as heavy trucks with stiff clutches, tractors, various types of pumps, air compressors, presses, etc.
- l. Ability to work while wearing personal protective equipment such as steel-toed shoes, rain gear, hard hats, goggles, etc.
- m. Ability to learn and comply with safety rules and to respond correctly to biological, chemical, electrical and mechanical hazards, asphyxiating, toxic and explosive gases, and vapors.
- n. Ability to read and comprehend drawings, plans and maps.
- o. Ability to perform tasks with minimum of supervision.
- p. Ability to establish and maintain effective working relationships with management, co-workers and the public.
- q. Ability to supervise other workers.
- r. Physical strength and dexterity requirements include:
 - 1. Ability to repetitively climb in and out of equipment cabs and to top of trailers.
 - 2. Ability to manipulate both large and small hand tools, valve handles, switches, gear shifters, foot pedals, etc.
 - 3. Eye-hand coordination necessary to steer tractor-trailer systems.
 - 4. Ability to transverse the walkway on top of a trailer without debilitating vertigo.
- s. Experience in biosolids handling is preferred.

Non Exempt
Safety Sensitive
June 16, 2004